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(71)Applicant : MITSUI PETROCHEM IND LTD

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(72)Inventor : HATSUJI HISAKAZU

DOI KIYOTO

MAEHAMA MITSUHIRO

TOMITA YOSHIHIKO

(54) CEMENT ADMIXTURE

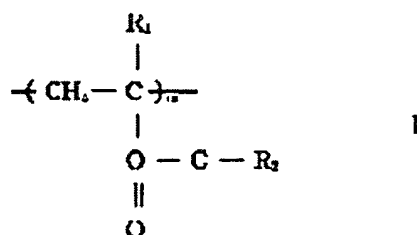
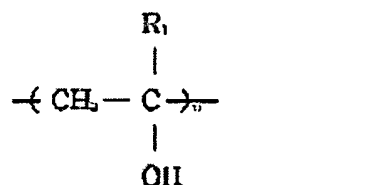
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a cement admixture not retarding setting and having enhanced dispersing performance, slump loss suppressing effect and resistance to the separation of material by co-condensing polyvinyl alcohol monothiol, a monomer capable of addition to the monothiol, a sulfone group forming compd. and formaldehyde.

SOLUTION: Polyvinyl alcohol monithiol (deriv.)

represented by the formula P.SH [where P is structural unit (a), (b) represented by formulae I, II (each of R₁ and R₂ is H or 1-20C hydrocarbon), a+b=100mol%, the (a) content is 50-100mol%, the (b) content is 0-50mol% and the degree of polymn. (n+m) is 3-500], a monomer capable of addition to the monothiol, a sulfone group

forming compd. and formaldehyde are co-condensed in a molar ratio of (0.001-0.5):1:(0.3-4): (1-6) to obtain the objective cement admixture having 10-500cP viscosity at 25°C measured with a B type viscometer in the case of 35% nonvolatile matter content. Cement is blended



with 0.01-5.0wt.% (expressed in terms of solid) of the cement admixture.

LEGAL STATUS

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